

CENTROPLAST CENTROTRON GF 40 Polyphenylene sulfide 40% glass fiber

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 40% Glass Fiber Filler

Material Notes:

CENTROTRON GF is a plastic that is reinforced for high strength and rigidity, that can be used at high operating temperatures. Applications include bearings, sealing rings, rods and hollow bars. Information provided by CENTROPLAST Engineering Plastics GMBH

Order this product through the following link:

http://www.lookpolymers.com/polymer_CENTROPLAST-CENTROTRON-GF-40-Polyphenylene-sulfide-40-glass-fiber.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	185 MPa	26800 psi	v = 5 mm/min; ISO 527-2
Elongation at Break	1.9 %	1.9 %	ISO 527-2
Tensile Modulus	14.7 GPa	2130 ksi	ISO 527-2
Flexural Modulus	14.0 GPa	2030 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	210 °C	410 °F	Long Term
	260 °C	500 °F	Short term
Deflection Temperature at 1.8 MPa (264 psi)	270 °C	518 °F	ISO 75-2
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 6.00 mm	@Thickness 0.236 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093

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